BS in Computer Science

What you will learn in Computer Science:

- Analyze a complex computing problem and to apply principles of computing and other relevant disciplines to identify solutions.
- Design, implement, and evaluate a computing-based solution to meet a given set of computing requirements in the context of the program’s discipline.
- Communicate effectively in a variety of professional contexts.
- Recognize professional responsibilities and make informed judgments in computing practice based on legal and ethical principles.
- Function effectively as a member or leader of a team engaged in activities appropriate to the program’s discipline.
- Apply computer science theory and software development fundamentals to produce computing-based solutions.

Employment:

Salaries: Mean salary: $86,550 a year

Number of jobs in 2018: 250,300

These are some professional titles from our alumni:

♦ Computer Programmer  ♦ Software Developer  ♦ Computer Hardware Engineer
♦ Game Designer  ♦ Computer Support Analyst  ♦ Web Designer
♦ Computer Network Architect  ♦ Database Administrator  ♦ Computer Support Specialist

Program Requirements:  Computer Science Catalog

Credit Hours:  120 (average 15 hours per semester without summer to graduate in four years)

Internship Requirement:  None, but opportunities are available (ask your faculty!)

Admissions Requirements:

- Freshman: For newly admitted students into ECU (i.e., freshmen), students must be eligible for MATH 1065, as determined by the ECU Department of Mathematics.
- Change of Majors: Internal change of majors within ECU must have a 2.5 cumulative ECU GPA minimum eligibility for MATH 2121 or MATH 2171, as determined by the ECU Department of Mathematics.
- Transfers: Transfer students from other institutions must have a 2.5 cumulative transfer GPA and minimum eligibility for MATH 2121 or MATH 2171, as determined by the ECU Department of Mathematics.
- Second Degree: Second Degree students must have a 2.5 cumulative GPA from previous institutions and minimum eligibility for MATH 2121 or MATH 2171, as determined by the ECU Department of Mathematics.
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Advising Tips

- If you are eligible for MATH 1065: Register for MATH 1065 and an additional 12-13 general education credits.

- If you are eligible for MATH 2121 or MATH 2171: Register for CSCI 1010 and CSCI 1011 at the same time. Also register for CSCI 2400.

- Register for 15-16 hours your first semester. This ensures that if you need to withdraw from a course, you are still a full-time student, which could impact financial aid, residency, your ability to remain in the residence hall, etc.

- We recommend that you take a mix of major courses and general education courses each semester to balance your schedule. This may include 2 to 3 courses with labs, along with other courses.

- This program has additional admissions requirements (see reverse side of this document)

- When registering, check the course information to be sure you have met any prerequisites.

- Computer Science is an On-Campus, Face-to-Face program. You should not expect to take courses online.

- You may see other restrictions when registering, including:
  - Student Attribute Error/Program Restriction most likely mean that you are attempting to register for an online/Distance Education course, typically sections are in the 600's. These are for students in our online programs only.
  - Prerequisite: You do not have the prerequisite to take this course

Computer Science at ECU website